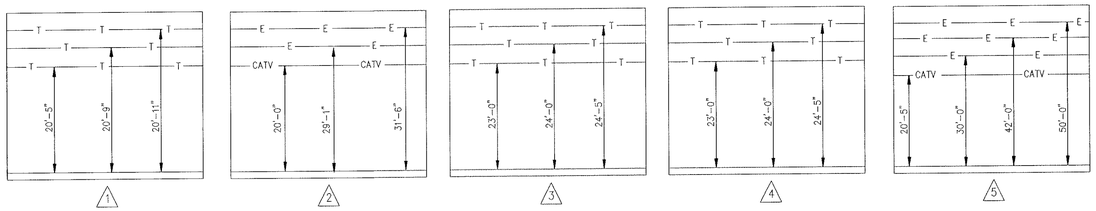
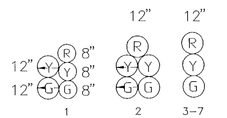
| F.H.W.A. REGION NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | MD | | | |

NOTE: MD 124 IS ASSUMED TO RUN IN A NORTH – SOUTH DIRECTION.

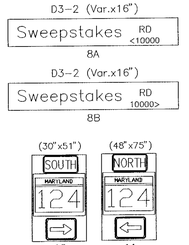
OVERHEAD WIRE HEIGHTS




PROPOSED SIGNALS

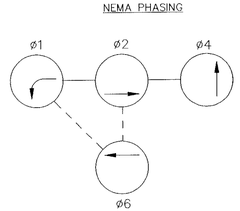



PROPOSED SIGNS





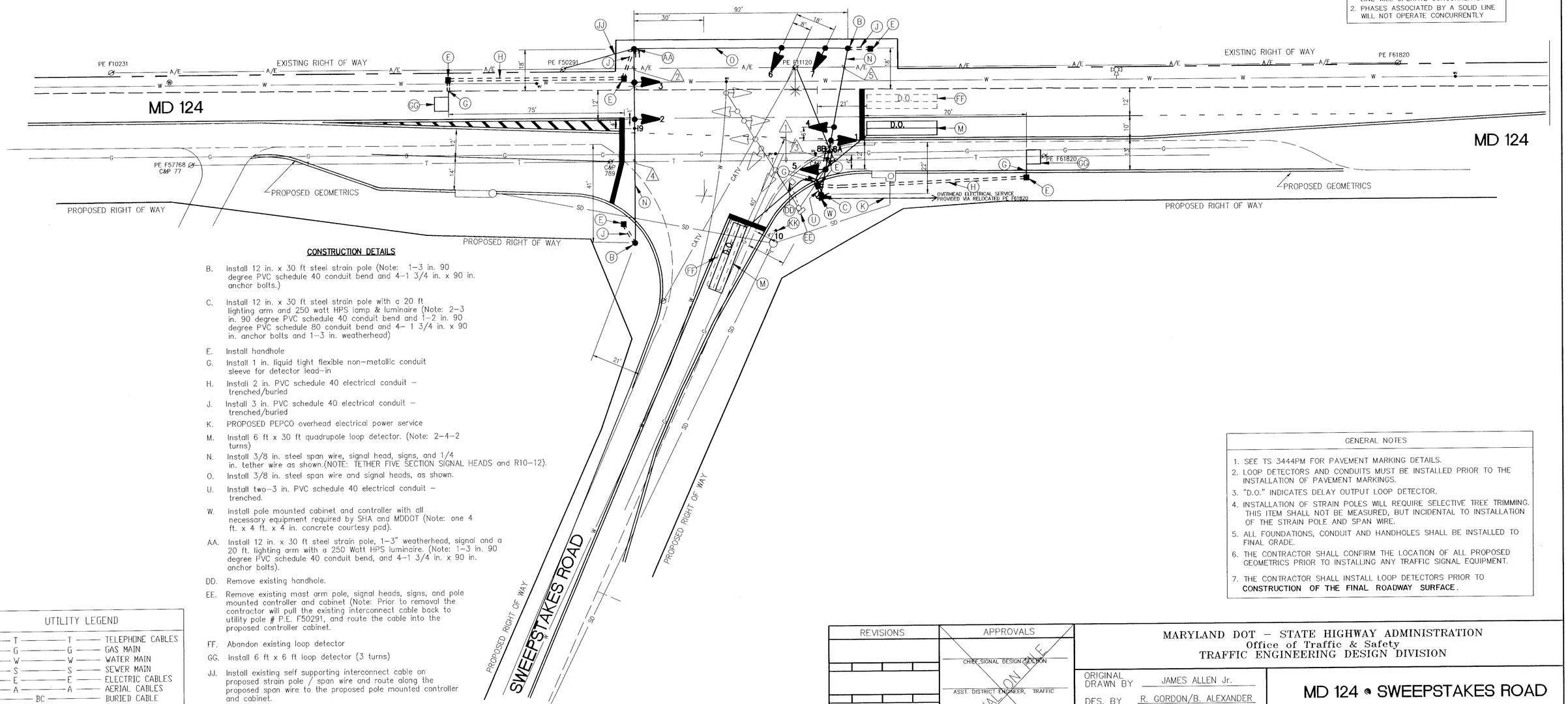
NEMA PHASING




FLASHING OPERATION

PHASING NOTES

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY




CONSTRUCTION DETAILS

B. Install 12 in. x 30 ft steel strain pole (Note: 1–3 in. 90 degree PVC schedule 40 conduit bend and 4–1 3/4 in. x 90 in. anchor bolts.)

C. Install 12 in. x 30 ft steel strain pole with a 20 ft lighting arm and 250 watt HPS lamp & luminaire (Note: 2–3 in. 90 degree PVC schedule 40 conduit bend and 1–2 in. 90 degree PVC schedule 80 conduit bend and 4– 1 3/4 in. x 90 in. anchor bolts and 1–3 in. weatherhead)

E. Install handhole

G. Install 1 in. liquid tight flexible non–metallic conduit sleeve for detector lead–in

H. Install 2 in. PVC schedule 40 electrical conduit – trenched/buried

J. Install 3 in. PVC schedule 40 electrical conduit – trenched/buried

K. PROPOSED PEPCO overhead electrical power service

M. Install 6 ft x 30 ft quadrupole loop detector. (Note: 2–4–2 turns)

N. Install 3/8 in. steel span wire, signal head, signs, and 1/4 in. tether wire as shown.(NOTE: TETHER FIVE SECTION SIGNAL HEADS and R10–12).

O. Install 3/8 in. steel span wire and signal heads, as shown.

U. Install two–3 in. PVC schedule 40 electrical conduit – trenched.

W. Install pole mounted cabinet and controller with all necessary equipment required by SHA and MDDOT (Note: one 4 ft. x 4 ft. x 4 in. concrete courtesy pad).

AA. Install 12 in. x 30 ft steel strain pole, 1–3" weatherhead, signal and a 20 ft. lighting arm with a 250 Watt HPS luminaire. (Note: 1–3 in. 90 degree PVC schedule 40 conduit bend, and 4–1 3/4 in. x 90 in. anchor bolts).

DD. Remove existing handhole.

EE. Remove existing mast arm pole, signal heads, signs, and pole mounted controller and cabinet (Note: Prior to removal the contractor will pull the existing interconnect cable back to utility pole # P.E. F50291, and route the cable into the proposed controller cabinet.

FF. Abandon existing loop detector

GG. Install 6 ft x 6 ft loop detector (3 turns)

JJ. Install existing self supporting interconnect cable on proposed strain pole / span wire and route along the proposed span wire to the proposed pole mounted controller and cabinet.

KK. Install ground mounted sign.

GENERAL NOTES

1. SEE TS 3444PM FOR PAVEMENT MARKING DETAILS.
2. LOOP DETECTORS AND CONDUITS MUST BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. "D.O." INDICATES DELAY OUTPUT LOOP DETECTOR.
4. INSTALLATION OF STRAIN POLES WILL REQUIRE SELECTIVE TREE TRIMMING. THIS ITEM SHALL NOT BE MEASURED, BUT INCIDENTAL TO INSTALLATION OF THE STRAIN POLE AND SPAN WIRE.
5. ALL FOUNDATIONS, CONDUIT AND HANDHOLES SHALL BE INSTALLED TO FINAL GRADE.
6. THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL PROPOSED GEOMETRICS PRIOR TO INSTALLING ANY TRAFFIC SIGNAL EQUIPMENT.
7. THE CONTRACTOR SHALL INSTALL LOOP DETECTORS PRIOR TO **CONSTRUCTION OF THE FINAL ROADWAY SURFACE.**

UTILITY LEGEND

| | |
|---|---|
| T | TELEPHONE CABLES |
| G | GAS MAIN |
| W | WATER MAIN |
| S | SEWER MAIN |
| E | ELECTRIC CABLES |
| A | AERIAL CABLES |
| BC | BURIED CABLE |
| SD | STORM DRAIN |

GEOMETRIC LEGEND

| | |
|---|---|
| | EXISTING GEOMETRICS |
| | PROPOSED GEOMETRICS |

CADFILE:MD124SWU.DWG

| REVISIONS | APPROVALS |
|---|---|
| | CHIEF, SIGNAL DESIGN SECTION |
| | ASST. DISTRICT ENGINEER, TRAFFIC |
| | CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION |
| | DEPUTY CHIEF ENGINEER, OFFICE OF TRAFFIC |

ORIGINAL ON FILE

(B) 4/95 RECONSTRUCT SIGNAL DUE TO GEOMETRIC IMPROVEMENTS. DMP/DCD

IDEAL CONSULTING ENGINEERS COLUMBIA, MARYLAND

MARYLAND DOT – STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

ORIGINAL DRAWN BY JAMES ALLEN Jr.
DES. BY R. GORDON/B. ALEXANDER
CHK. BY D. DODA 10-26-94

# MD 124 @ SWEEPSTAKES ROAD

LOG MILE #15012415.81 COUNTY: MONTGOMERY

DATE: OCTOBER,1994 F.A.P. NO.
SCALE: 1"=20' S.H.A. NO. M 709-201-376

TS/FILE NO. 3444 B

SHEET NO. ___ OF ___